

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:49 ; Search time 140.11 Seconds
(Without alignments)
7.690 Million cell updates/sec

Title: US-09-331-631A-7_COPY_81_140

Perfect score: 342
Sequence: 1 LOROYQCCGRCQEQOQGR.....HENYHNKRNSEEEGQOR 60

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/PCRTUS_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/backfileseq1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	342	100.0	566	1	US-07-955-905A-2
2	342	100.0	566	1	US-07-955-905A-22
3	126	36.8	587	1	US-07-955-905A-23
4	81	23.7	1162	2	US-08-728-323A-2
5	80	23.4	1898	1	US-08-056-200-94
6	80	23.4	1898	2	US-08-800-644-94
7	77.5	22.7	788	2	US-08-918-914-4
8	73.5	21.5	542	1	US-07-814-964-13
9	73.5	21.5	542	1	US-08-258-442-13
10	73.5	21.5	542	1	US-08-328-809-8
11	73.5	21.5	542	4	US-08-932-11107-13
12	70	20.5	740	4	PCRT-US93-03027-3
13	70	20.5	740	1	US-08-257-073-5
14	70	20.5	816	2	US-08-267-803B-9
15	68.5	20.0	428	1	US-08-190-802A-29
16	68.5	20.0	2703	1	US-08-185-432-19
17	67	19.6	737	1	US-08-185-432-2
18	67	19.6	737	1	US-08-185-432-4
19	66	19.3	303	1	US-08-185-432-5
20	65.5	19.2	303	1	US-08-109-391A-2
21	65.5	19.2	303	1	US-08-459-019A-2
22	65.5	19.2	303	2	US-08-460-428A-2
23	65.5	19.2	303	3	US-08-458-860A-2
24	65.5	19.2	361	1	US-08-415-751-4
25	65.5	19.2	411	2	US-08-741-134-6
26	65.5	19.2	605	1	US-07-955-905A-24
27	65	19.0	360	2	US-08-531-927B-2
28	65	19.0	513	3	US-09-100-193-3

29	64	18.7	404	1	US-08-453-477-2	Sequence 2, App11
30	64	18.7	404	1	US-08-453-461-2	Sequence 2, App11
31	64	18.7	905	2	US-08-574-959A-9	Sequence 9, App11
32	64	18.7	1135	2	US-08-574-959A-7	Sequence 7, App11
33	63.5	18.6	591	2	US-08-965-903B-2	Sequence 2, App11
34	63	18.4	571	1	US-07-955-905A-25	Sequence 2, App11
35	62.5	18.3	344	5	5210183-2	Patent No. 5210183
36	62.5	18.3	494	1	US-08-447-500-2	Sequence 2, App11
37	62.5	18.3	494	1	US-08-454-097-2	Sequence 2, App11
38	62.5	18.3	494	1	US-08-447-408-2	Sequence 2, App11
39	62.5	18.3	494	1	US-08-453-866-2	Sequence 2, App11
40	62.5	18.3	494	3	US-08-185-359-2	Sequence 2, App11
41	62.5	18.3	514	2	US-08-960-022-14	Sequence 14, App11
42	62.5	18.3	683	5	5210183-3	Patent No. 5210183
43	62.5	18.3	1045	2	US-08-553-436A-6	Sequence 6, App11
44	62	18.1	76	5	5273901-11	Patent No. 5273901
45	62	18.1	76	5	5482709-10	Patent No. 5482709

ALIGNMENTS

```
RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; FILING DATE: 21-JAN-1993
; APPLICATION NUMBER: US/07/955,905A
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-955-905A-2

Query Match          100.0%; Score 342; DB 1: Length 566;
Best Local Similarity 100.0%; Pred. No. 2.1e-30;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LOROYQCCGRCQEQOQGRCCQKCKWEQYKEQERGENYHNKRNSEEEGQOR 60
      |||||||
Db      81 LOROYQCCGRCQEQOQGRCCQKCKWEQYKEQERGENYHNKRNSEEEGQOR 140

RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Theobroma cacao
FEATURE:
NAME/KEY: Protein
LOCATION: 1..566
OTHER INFORMATION: /note="67 kD Precursor Protein"
US-07-955-905A-22

Query Match 100.0%; Score 342; DB 1; Length 566;
Best Local Similarity 100.0%; Pred. No. 2,1e-30;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LOROYOCGRCOEQOQOGRQOCCORRCWEYKEDERGEHNYHNHKKNRSEEGQOR 60
DB 81 LOROYOCGRCOEQOQOGRQOCCORRCWEYKEDERGEHNYHNHKKNRSEEGQOR 140

RESULT 3
US-07-955-905A-23
Sequence 23, Application US/07955905A
Patent No. 5770433
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
TITLE OF INVENTION: PRECURSOR
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 587 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Gossypium hirsutum
FEATURE:
NAME/KEY: Protein
LOCATION: 1..587
OTHER INFORMATION: /note="Vicilin from G. hirsutum"
US-07-955-905A-23

Query Match 36.8%; Score 126; DB 1; Length 587;
Best Local Similarity 34.6%; Pred. No. 1.4e-06;
Matches 28; Conservative 11; Mismatches 20; Indels 22; Gaps 3;

OY 2 OROYOQCGRCOEQOQOGRQOCCORRCWEYKEDERGEHNYHNHKKNRSEEGQOR 46
DB 120 OROFOCCQCHCHQDPRRKRQCVAECHREYQENWRREBEAEFEETEEGEOQOSH 179

OY 47 ----HKK---NRSEEGQOR 60
DB 180 PFHFRRSFQSRFRFBHGMR 200

RESULT 4
US-08-728-323A-2
Sequence 2, Application US/08728323A
Patent No. 5948676
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: Immediate Early Protein From Kaposi's
TITLE OF INVENTION: Encoding Same And Uses Thereof
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSC/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-728-323A-2

Query Match 23.7%; Score 81; DB 2; Length 1162;
Best Local Similarity 27.6%; Pred. No. 0.27;
Matches 16; Conservative 20; Mismatches 22; Indels 0; Gaps 0;

OY 2 OROYOQCGRCOEQOQOGRQOCCORRCWEYKEDERGEHNYHNHKKNRSEEGQOR 59
DB 595 QOODEQOQDEQOQDEQOQDEQOQDEQOQDEQOQDEQOQDEQOQDEQOQDEQOQ 652

RESULT 5
US-08-056-200-94
Sequence 94, Application US/08056200
Patent No. 5616500
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA

APPLICATION NUMBER: US 08/056,200
FILING DATE: 30-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fredrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: N1H054, 001A
TELECOMMUNICATION INFORMATION:

INFORMATION FOR SEQ ID NO: 4
 SEQUENCE CHARACTERISTICS:
 LENGTH: 788 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: Genbank
 CLONE: 1070094
 OS-08-918-914-4

Query Match	22.7%;	Score 77.5;	DB 2;	Length 788;
Best Local Similarity	24.3%;	Pred. No. 0.43;		


```

NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: P-36,434
REFERENCE/DOCKET NUMBER: 2026-4010 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 678
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
STRAIN: Oregon R
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE: embryo
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: Dorsal protein
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: D.melanogaster
OTHER INFORMATION: embryonic polarity (dorsal) protein
OTHER INFORMATION: containing region of high similarity
OTHER INFORMATION: with proteins of Rel family.
PUBLICATION INFORMATION:
AUTHORS: Steward, R.
TITLE: Dorsal, an embryonic polarity
TITLE: gene in Drosophila, is homologous to
TITLE: the vertebrate proto-oncogene, c-rel.
JOURNAL: Science
VOLUME: 238
ISSUE:
PAGES: 692-694
DATE: 1987
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
PCT-US93-03027-3

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QY      2   G0AYOACGRCOEOROGOREDOCCRKCEWOKKEEGENHENYHNHKKRSEEE     56  

          | : | | : : | : | : | : | : | : | : | :  

Db       475 OOOHOOCOOOHONHHNOOOHCOOOCO--OOEOOSLDFNHPFGNGSWSK    527  

        Matches 19; Conservative 11; Mismatches 23; Indels 2; Gaps 1
```

RESULT 13

US-08-257-073-5
Sequence 5, Application US/08257073
Patent No. 5766597

GENERAL INFORMATION:

APPLICANT: Paoletti, Enzo
APPLICANT: de Taisne, Charles
APPLICANT: Ting, John A.
TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtiss, Morris & Safford, P.C.
STREET: 530 Fifth Avenue, 25th Floor
CITY: New York
STATE: New York

```

COUNTRY : UNITED STATES OF AMERICA
ZIP : 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER : IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/257,073
FILING DATE: 09-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/075,783
FILING DATE: 11-JUN-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/852,305
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/672,183
FILING DATE: 20-MAR-1991

ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 45410-2570
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-0712
TELEFAX: (212) 840-3333
TELEX: 425066 CURTWS
INFORMATION FROM SRO ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 740 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-08-257-073-5

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Query Match          20.5%; Score 70; DB 1; Length 740;
Best Local Similarity 29.5%; Pred. No. 2.7;
Matches 13; Conservative 16; Mismatches 15; Indels 0; Gaps 0.

Dn      603 KEKEKEKEKEKEKEKEKEKEKEKEKEKEKEKKEEKKKEEEQEEEE 726
        :|:::||::||:|::||:|:||||
13 QEOOGOREOOCCKRCWEYKERCEGHEHYHNHKNRSEEEE 56
        :|:::||::||:|::||:|:||||

RESULT 14
US-08-267-803B-9
; Sequence 9, Application US/08267803B
; Patent No. 5834183
GENERAL INFORMATION:
APPLICANT: OTT, Harry T.
APPLICANT: Ranum, Laura P.W.
APPLICANT: Chung, Ming-yi
APPLICANT: Zoghibl, Huda Y.
TITLE OF INVENTION: Gene Sequence for Splinoerebellar Ataxia
Patent No. 5834183
TITLE OF INVENTION: Type 1 and Method for Diagnosis
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Muelling, Raasch, Gebhardt & Schwapach, P.A.
STREET: P.O. Box 581415
City: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55458-1415
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0 Version #1.25
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